

**WHAT IS CLAIMED IS:**

1           1.     A method for identifying a lost call location in a wireless network system  
2 comprising:  
3                 receiving a connect message from a mobile terminal to establish a call;  
4                 continuously monitoring radio signals associated with the established call;  
5                 determining if a parameter associated with the continuously monitored radio  
6 signal falls below a threshold; and  
7                 providing information associated with the location of the mobile terminal if  
8 the parameter falls below the threshold.

1           2.     The method of claim 1, wherein the step of continuously monitoring further  
2 includes the step of:  
3                 sending a trigger message responsive to receiving the connect message;  
4                 wherein the trigger message causes the continuous monitoring of the radio  
5 signals.

1           3.     The method of claim 1, wherein  
2                 the step of providing information includes storing the information associated  
3 with the location of the mobile terminal if the parameter falls below the threshold; and  
4                 the step of continuously monitoring includes the steps of,  
5                         continuously updating the information associated with the location of  
6 the mobile terminal;  
7                         receiving a termination message from an MSC associated with a  
8 normal termination of the call; and

9 discarding the updated information associated with the location of the  
10 mobile terminal in response to the normal termination of the call.

1 4. The method of claim 1, wherein the threshold is a zero signal strength level.

1 5. The method of claim 1, wherein the information includes the location of the  
2 mobile terminal in terms of longitude and latitude.

1 6. The method of claim 1, wherein the information includes a time stamp.

1 7. A wireless network system comprising:  
2 a MSC; and  
3 a controller coupled to the MSC, the controller configured to,  
4 receive a connect message from a mobile terminal to establish a call;  
5 continuously monitor radio signals associated with the established call;  
6 determine if a parameter associated with the continuously monitored  
7 radio signals falls below a threshold; and  
8 provide information associated with the location of the mobile terminal  
9 if the parameter falls below the threshold.

1 8. The wireless network system of claim 7, wherein the controller comprises:  
2 a Position Control Center (PCC) receiving the connect message and outputting  
3 a trigger message in response thereto; and

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4 a Position Detection Center (PDC) continuously monitoring for the radio  
5 signal in response to the trigger message.

1 9. The wireless network system of claim 7, wherein  
2 the controller comprises a Position Database (PDB) storing the information  
3 associated with the location of the mobile terminal; and wherein  
4 the controller, in continuously monitoring, is further configured to,  
5 continuously update the information associated with the location of the  
6 mobile terminal;  
7 receive a termination message from the MSC associated with a normal  
8 termination of the call; and  
9 discard the updated information associated with the location of the  
10 mobile terminal in response the normal termination of the call.

1 10. The wireless network system of claim 7, wherein the threshold is a zero signal  
2 strength level.

1 11. The wireless network system of claim 7, wherein the information includes the  
2 location of the mobile terminal in terms of longitude and latitude.

12. The wireless network system of claim 7, wherein the information includes a  
time stamp.

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